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FROM: Winston Hsu, PATENT AGENT, REG. NO. : 41,526

SERIAL NO.: 10/065,664

ATTORNEY DOCKET NO.: ADTP0044USA

SUBJECT: INFORMATION DISCLOSURE STATEMENT

TOTAL PAGES: 49 PAGES (INCLUDING COVER PAGE)

Winston Hsu 2004/05/18

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APPLICATION NUMBER: 10/065,664

PAPERS INCLUDED:

(1) Transmittal Form	1 PAGE
(2) Fee Transmittal	1 PAGE
(3) Information Disclosure Statement	45 PAGES

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/065,664	
	Filing Date	11/07/2002	
	First Named Inventor	Hsiao-Ping Lai	
	Art Unit	2879	
	Examiner Name	GUHARAY, KARABI	
Total Number of Pages in This Submission	47	Attorney Docket Number	ADTP0044USA

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual name	Winston Hsu, Reg. No.: 41,526	
Signature	<i>Winston Hsu</i>	
Date	5/18/2004	

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Typed or printed name		
Signature		Date

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**FEE TRANSMITTAL
for FY 2004**

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT (\$)** 180.00**Complete if Known**

Application Number	10/065,664
Filing Date	11/07/2002
First Named Inventor	Hsiao-Ping Lai
Examiner Name	GUHARAY, KARABI
Art Unit	2879
Attorney Docket No.	ADTP0044USA

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit Account Number: 50-3105
Deposit Account Name: North America Intellectual Property Corp.

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☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$) 0.00**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	-20** =	X	
Multiple Dependent	-3** =	X	

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1808 180	1808 180	Submission of Information Disclosure Stmt	180.00
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 180.00**SUBMITTED BY**

Name (Print/Type)	Winston Hsu	Registration No. (Attorney/Agent)	41,526	Telephone	886289237350
Signature	<i>Winston Hsu</i>	Date	11/27/2002		

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

5 Applicant: Hsiao-Ping Lai Examiner: GUHARAY, KARABI
Filing Date: 11/07/2002 Art Unit: 2879
Application No.: 10/065,664 Docket No.: ADTP0044USA

10 Title: ORGANIC LIGHT EMITTING DIODE

To: Commissioner for Patents
P.O. BOX 1450
Alexandria, VA 22313-1450

15 Subject: Information disclosure statement under 37 CFR §1.56.

Dear Sir/Madam:

20

This is an Information Disclosure Statement (IDS) in accordance with the duty to disclose information material to patentability under 37 CFR §1.56. The applicant wishes to make of record the documents listed on the accompanying PTO/SB/08 form. It is respectfully
25 requested that the examiner initials the cited reference on the form, that this be made of record in the application, and that a copy of the initialed form be sent to the applicant with the next communication from the examiner.

30 Since this IDS is filed before the mailing date of a final action or notice of allowance, consideration of the information disclosure statement is hereby requested according to 37 CFR §1.97(c). Each item

contained in the IDS was cited in communications from the Taiwan Intellectual Property Office on March 3, 2004. The applicant requests that the examiner consider the items contained in this IDS.

5 According to the requirement set forth in 37 CFR §1.98 and MPEP 609 (Rev.1, Feb. 2000), the applicant is submitting a copy of Taiwan Patent documents TW 481966 (published April 1, 2002) and TW 401631 (published Aug. 11, 1990), US Patent No. 5,882,761, and a concise explanation of the relevance to this application hereinafter.

10

 Regarding TW 481966, Fig. 7A appears to be the most relevant drawing and discloses an organic light emitting device (OLED) comprising a bottom substrate 200, an OLED element 202 positioned on the bottom substrate 200, a sealing material 212 positioned adjacent to the OLED element 202, a top substrate 204 positioned parallel with the bottom substrate 200, and at least one ditch 206 formed on a lower surface of the top substrate 204. The sealing material 212 binds the top substrate 204 and the bottom substrate 200 together, and the ditch 206 prevents the sealing material 212 from overflowing into the region out of the ditch 206. The ditch 206 taught in TW 481966 is positioned either above the OLED element 202 or outside of the sealing material 206. Since the sealing material 212 is positioned adjacent to the OLED element 202 and no ditch is inserted between the OLED element 202 and the sealing material 212, it is difficult for this prior art to achieve the advantages of preventing the sealing material 212 from contacting the OLED element 202 and affecting normal operation of the OLED element 202, as are provided by the present application. It is noted that, Fig. 7C of TW 481966 teaches to align the OLED element 202 with a recess formed on the top substrate 204. The recess contains portions of the OLED element 202, thus reducing the total thickness of the OLED device. Fig. 7C shows one of the ditches 206 is positioned between the OLED element 202 and the sealing material 212 by chance. However,

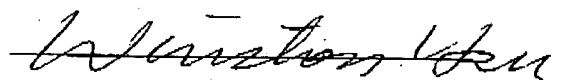
TW 481966 never provides a fully description in the specification nor even implies that the ditch has to be positioned between the OLED element and the sealing material to prevent the sealing material from contacting the OLED element. Thus, the claimed invention of the present application is believed different from the teachings of TW 481966.

TW 401631 discloses a method for packaging an OLED device. As shown in Fig. 3C of TW 401631, the OLED device comprises a glass substrate 10 and an OLED element 20 positioned above the glass substrate 10. The OLED element 20 comprises a substrate 21, an ITO layer 22 functioning as an anode, a light emitting layer 23, and a metal electrode 24 functioning as a cathode. TW 401631 never teaches the glass substrate 10 or the substrate 21 having ditches thereon for preventing the OLED element from contacting with any sealing material. Thus, the claimed invention of the present application is believed different from the teachings of TW 401631.

US 5,882,761 discloses an organic EL element. As shown in Fig. 1 of USPN 5,882,761, the organic EL element 1 comprises a glass substrate 2; a lamination body 6 comprising an ITO electrode 3, an organic luminescent material layer 4 and a cathode 5; a glass sealing case 7; a drying substance 8; and a sealing agent 9 (Col. 4, lines 9-14). US 5,882,761 never teaches the glass substrate 2 or the glass sealing case 7 having ditches thereon for preventing the sealing agent 9 from contacting the organic luminescent material layer 4. Thus, the claimed invention of the present application is believed different from the teachings of US 5,882,761.

30

Sincerely,



Winston Hsu, Patent Agent No. 41,526

Date: 5/18/2004

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Examiner Signature		Date Considered	
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